

Patent  
Attorney Docket No. 23534-0007

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of )  
F. Abel Ponce de Leon et al ) Group Art Unit: 1633  
Application No. 09/127,624 ) Examiner: D. Clark  
Filed: August 3, 1998 )  
For: PROLONGED CULTURING OF AVIAN )  
(CHICKEN) PRIMORDIAL GERM CELLS )  
(PGCs) USING SPECIFIC GROWTH )  
FACTORS, USE THEREOF TO PRODUCE )  
CHIMERIC AVIANS (CHICKENS) )

**SUPPLEMENTAL REPLY TO OFFICE ACTION**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

This Reply is supplemental to the Reply filed November 16, 2000, and replaces amended claim 1 with the following amended claim. This amendment is submitted after review of the previously amended claim revealed several errors which suggest that this previous amendment may not be suitable for entry.

In the Claims:

Please amend claim 1 as follows:

*File E 1* 1. (Twice Amended) A method for [transfected] culturing avian primordial germ cells comprising maintaining said avian primordial germ cells for periods of at least fourteen days in tissue culture comprising the following steps:

(i) isolating a pure population of primordial germ cells from a desired avian; and  
(ii) culturing said isolated, pure population of primordial germ cells (PGCs) in a culture medium comprising [containing at least the following] growth factors [contained] in amounts sufficient to maintain said PGCs for at least fourteen days in tissue culture[:]  
(1) leukemia inhibitory factor (LIF),  
(2) basic fibroblast growth factor (bFGF),

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